ASHline QuitFacts

1-800-55-66-222

www.ashline.org

What's in cigarette smoke?

There are over 4,000 identified chemicals in cigarette smoke. 107 of the more toxic ones are listed here. Those proven to cause cancer are marked with a (C). The presence of the chemicals that increase the risk of birth defects are marked with a (B).

A
- Acetaldehyde
- Acetic Acid
- Acetone (B)
- Acetylene
- Acrolein
- Acrylonitrile (C,B)
- Aluminum
- Aminobiphenyl (C)
- Ammonia
- Anabasine
- Anatabine
- Aniline
- Anthracenes
- Argon
- Arsenic (C,B)

B
- Benz(a)anthracene (C)
- Benzene (C,B)
- Benzo(a)pyrene (C)
- Benzo(b)fluoranthene (C)
- Benzo(j)fluoranthene (C)
- Butadiene (B)
- Butane

C
- Cadmium (C,B)
- Campesterol
- Carbon Monoxide (B)
- Carbon Sulfide
- Catechol
- Chromium (C,B)
- Chrysene (C)
- Copper (B)
- Crotonaldehyde (C)
- Cyclotenes

D
- DDT/Dieldrin (B)
- Dibenz(a,h)acridine (C)
- Dibenz(a,h,)anthracene (C)
- Dibenz(a,j)acridine (C)
- Dibenzo(a,l)pyrene (C)
- Dibenzo(c,g)carbazole (C)
- Dimenthylhydrazine (C)

E
- Ethylcarbamate (C)

F
- Fluoranthenes
- Fluorenes
- Formaldehyde (C,B)
- Formic Acid
- Furan

G
- Glycerol

H
- Hexamine
- Hydrazine (C)
- Hydrogen cyanide
- Hydrogen sulfide

I
- Indeno(1,2,3-c,d)pyrene (C)
- Indole
- Isoprene

L
- Lead (C,B)
- Limonine
- Linoleic acid
- Linolenic acid

M
- Magnesium (B)
- Mercury (B)
- Methane
- Methyl formate
- Methylamineethylchrysene (C)
- Methylamine
- Methylnitrosamino
- Methylpyrrolidine

N
- N-Nitrosoanabasine (C)
- N-Nitrosodiethanolamine (C)
- N-Nitrosodiethylamine (C)
- N-Nitrosodimethylamine (C)
- N-Nitrosoethyl methylamine
- N-Nitrosomorpholine (C)
- N-Nitrosopyrrolidine (C)
- Naphthalene
- Naphthylamine (C)
- Neophytadienes
- Nickel (C,B)
- Nicotine
- Nitric oxide
- Nitrobenzene
- Nitropropane (C)
- Nitrosamines (C)
- Nitrosonomicotine (C)
- Nitrous oxide phenols
- Nomicotine

P
- Palmitic acid
- Phenanthrenes
- Phenol
- Picolines
- Polonium-210 (C)
- Propionic acid
- Pyrenes
- Pyrrolidine

Q
- Quinoline (C)
- Quinones

S
- Scopoletin
- Sitosterol
- Skatole
- Solanesol
- Stearic acid
- Stigmasterol
- Styrene (B)

T
- Titanium (B)
- Toluene (B)
- Toluidine (C)

U
- Urethane(C)

V
- Vinyl chloride (C,B)
- Vinylpyridine

Source: U.S. Surgeon General Report, 1983 and 1981; National Library of Medicine-TOXNET 2002

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